Fig. 2 (cont.)

```
ACGGACCTGCCCCTGCGGGCCTCCCCCAGCCACATCCCCAGCGTGGTGGTCCTGCCCATC  3097
 T  D  L  P  L  R  A  S  P  S  H  I  P  S  V  V  V  L  P  I
ACGCAGCAGGGCTACCAGCATGAGTACGTGGACCAGCCCAAAATGAGCGAGGTGGCCCAG  3157
 T  Q  Q  G  Y  Q  H  E  Y  V  D  Q  P  K  M  S  E  V  A  Q
ATGGCGCTGGAGGACCAGGCCGCCACACTGGAGTATAAGACCATCAAGGAACATCTCAGC  3217
 M  A  L  E  D  Q  A  A  T  L  E  Y  K  T  I  K  E  H  L  S
AGCAAGAGTCCCAACCATGGGGTGAACCTTGTGGAGAACCTGGACAGCCTGCCCCCCAAA  3277
 S  K  S  P  N  H  G  V  N  L  V  E  N  L  D  S  L  P  P  K
GTTCCACAGCGGGAGGCCTCCCTGGGTCCCCCGGGAGCCTCCCTGTCTCAGACCGGTCTA  3337
 V  P  Q  R  E  A  S  L  G  P  P  G  A  S  L  S  Q  T  G  L
AGCAAGCGGCTGGAAATGCACCACTCCTCTTCCTACGGGGTTGACTATAAGAGGAGCTAC  3397
 S  K  R  L  E  M  H  H  S  S  S  Y  G  V  D  Y  K  R  S  Y
CCCACGAACTCGCTCACGAGAAGCCACCAGGCCACCACTCTCAAAAGAAACAACACTAAC  3457
 P  T  N  S  L  T  R  S  H  Q  A  T  T  L  K  R  N  N  T  N
TCCTCCAATTCCTCTCACCTCTCCAGAAACCAGAGCTTTGGCAGGGGAGACAACCCGCCG  3517
 S  S  N  S  S  H  L  S  R  N  Q  S  F  G  R  G  D  N  P  P
CCCGCCCCGCAGAGGGTGGACTCCATCCAGGTGCACAGCTCCCAGCCATCTGGCCAGGCC  3577
 P  A  P  Q  R  V  D  S  I  Q  V  H  S  S  Q  P  S  G  Q  A
GTGACTGTCTCGAGGCAGCCCAGCCTCAACGCCTACAACTCACTGACAAGGTCGGGGCTG  3637
 V  T  V  S  R  Q  P  S  L  N  A  Y  N  S  L  T  R  S  G  L
AAGCGTACGCCCTCGCTAAAGCCGGACGTACCCCCCAAACCATCCTTTGCTCCCCTTTCC  3697
 K  R  T  P  S  L  K  P  D  V  P  P  K  P  S  F  A  P  L  S
ACATCCATGAAGCCCAATGATGCGTGTACATAAtcccaggggagggggtcaggtgtcga  3757
 T  S  M  K  P  N  D  A  C  T  *

accagcaggcaaggcgaggtgcccgctcagctcagcaaggttctcaactgcctcgagtac  3817
ccaccagaccaagaaggcctgcggc
```

Fig. 2 (cont.)

```
GGGAGATTCAAGGAACAGAAGTCTCCTGATTCCACCTGGACACCAGTTCCTGATGAACGA  1717
 G  R  F  K  E  Q  K  S  P  D  S  T  W  T  P  V  P  D  E  R
GTTCCTAAGCCCAGGCCAGGTTGCTGTGCTGGCTCATCCTCCTTAGAAAGATATGCAACC  1777
 V  P  K  P  R  P  G  C  C  A  G  S  S  S  L  E  R  Y  A  T
TCCAATGAGTTCCCTGATGATACCCTGAACTTCATCAAGACGCACCCGCTCATGGATGAG  1837
 S  N  E  F  P  D  D  T  L  N  F  I  K  T  H  P  L  M  D  E
GCAGTGCCCTCCATCTTCAACAGGCCATGGTTCCTGAGAACAATGGTCAGATACCGCCTT  1897
 A  V  P  S  I  F  N  R  P  W  F  L  R  T  M  V  R  Y  R  L
ACCAAAATTGCAGTGGACACAGCTGCTGGGCCATATCAGAATCACACTGTGGTTTTTCTG  1957
 T  K  I  A  V  D  T  A  A  G  P  Y  Q  N  H  T  V  V  F  L
GGATCAGAGAAGGGAATCATCTTGAAGTTTTTGGCCAGAATAGGAAATAGTGGTTTTCTA  2017
 G  S  E  K  G  I  I  L  K  F  L  A  R  I  G  N  S  G  F  L
AATGACAGCCTTTTCCTGGAGGAGATGAGTGTTTACAACTCTGAAAAATGCAGCTATGAT  2077
 N  D  S  L  F  L  E  E  M  S  V  Y  N  S  E  K  C  S  Y  D
GGAGTCGAAGACAAAAGGATCATGGGCATGCAGCTGGACAGAGCAAGCAGCTCTCTGTAT  2137
 G  V  E  D  K  R  I  M  G  M  Q  L  D  R  A  S  S  S  L  Y
GTTGCGTTCTCTACCTGTGTGATAAAGGTTCCCCTTGGCCGGTGTGAACGACATGGGAAG  2197
 V  A  F  S  T  C  V  I  K  V  P  L  G  R  C  E  R  H  G  K
TGTAAAAAAAACCTGTATTGCCTCCAGAGACCCATATTGTGGATGGATAAAGGAAGGTGGT  2257
 C  K  K  T  C  I  A  S  R  D  P  Y  C  G  W  I  K  E  G  G
GCCTGCAGCCATTTATCACCCAACAGCAGACTGACTTTTGAGCAGGACATAGAGCGTGGC  2317
 A  C  S  H  L  S  P  N  S  R  L  T  F  E  Q  D  I  E  R  G
AATACAGATGGTCTGGGGGACTGTCACAATTCCTTTGTGGCACTGAATGGGCATTCCAGT  2377
 N  T  D  G  L  G  D  C  H  N  S  F  V  A  L  N  G  H  S  S
TCCCTCTTGCCCAGCACAACCACATCAGATTCGACGGCTCAAGAGGGGTATGAGTCTAGG  2437
 S  L  L  P  S  T  T  T  S  D  S  T  A  Q  E  G  Y  E  S  R
GGAGGAATGCTGGACTGGAAGCATCTGCTTGACTCACCTGACAGCACAGACCCTTTGGGG  2497
 G  G  M  L  D  W  K  H  L  L  D  S  P  D  S  T  D  P  L  G
GCAGTGTCTTCCCATAATCACCAAGACAAGAAGGGAGTGATTCGGGAAAGTTACCTCAAA  2557
 A  V  S  S  H  N  H  Q  D  K  K  G  V  I  R  E  S  Y  L  K
GGCCACGACCAGCTGGTTCCCGTCACCCTCTTGGCCATTGCAGTCATCCTGGCTTTCGTC  2617
 G  H  D  Q  L  V  P  V  T  L  L  A  I  A  V  I  L  A  F  V
ATGGGGGCCGTCTTCTCGGGCATCACCGTCTACTGCGTCTGTGATCATCGGCGCAAAGAC  2677
 M  G  A  V  F  S  G  I  T  V  Y  C  V  C  D  H  R  R  K  D
GTGGCTGTGGTGCAGCGCAAGGAGAAGGAGCTCACCCACTCGCGCCGGGGCTCCATGAGC  2737
 V  A  V  V  Q  R  K  E  K  E  L  T  H  S  R  R  G  S  M  S
AGCGTCACCAAGCTCAGCGGCCTCTTTGGGGACACTCAATCCAAAGACCCAAAGCCGGAG  2797
 S  V  T  K  L  S  G  L  F  G  D  T  Q  S  K  D  P  K  P  E
GCCATCCTCACGCCACTCATGCACAACGGCAAGCTCGCCACTCCCGGCAACACGGCCAAG  2857
 A  I  L  T  P  L  M  H  N  G  K  L  A  T  P  G  N  T  A  K
ATGCTCATTAAAGCAGACCAGCACCACCTGGACCTGACGGCCCTCCCCACCCCAGAGTCA  2917
 M  L  I  K  A  D  Q  H  H  L  D  L  T  A  L  P  T  P  E  S
ACCCCAACGCTGCAGCAGAAGCGGAAGCCCAGCCGCGGCAGCCGCGAGTGGGAGAGGAAC  2977
 T  P  T  L  Q  Q  K  R  K  P  S  R  G  S  R  E  W  E  R  N
CAGAACCTCATCAATGCCTGCACAAAGGACATGCCCCCCATGGGCTCCCCTGTGATTCCC  3037
 Q  N  L  I  N  A  C  T  K  D  M  P  P  M  G  S  P  V  I  P
```

Fig. 1 (cont.)

CTGACTTTTGAGCAGGACATAGAGCGTGGCAATACAGATGGTCTGGGGGA	1700
CTGTCACAATTCCTTTGTGGCACTGAATGGGCATTCCAGTTCCCTCTTGC	1750
CCAGCACAACCACATCAGATTCGACGGCTCAAGAGGGGTATGAGTCTAGG	1800
GGAGGAATGCTGGACTGGAAGCATCTGCTTGACTCACCTGACAGCACAGA	1850
CCCTTTGGGGGCAGTGTCTTCCCATAATCACCAAGACAAGAAGGGAGTGA	1900
TTCGGGAAAGTTACCTCAAAGGCCACGACCAGCTGGTTCCCGTCACCCTC	1950
TTGGCCATTGCAGTCATCCTGGCTTTCGTCATGGGGGCCGTCTTCTCGGG	2000
CATCACCGTCTACTGCGTCTGTGATCATCGGCGCAAAGACGTGGCTGTGG	2050
TGCAGCGCAAGGAGAAGGAGCTCACCCACTCGCGCCGGGGCTCCATGAGC	2100
AGCGTCACCAAGCTCAGCGGCCTCTTTGGGGACACTCAATCCAAAGACCC	2150
AAAGCCGGAGGCCATCCTCACGCCACTCATGCACAACGGCAAGCTCGCCA	2200
CTCCCGGCAACACGGCCAAGATGCTCATTAAAGCAGACCAGCACCACCTG	2250
GACCTGACGGCCCTCCCCACCCCAGAGTCAACCCCAACGCTGCAGCAGAA	2300
GCGGAAGCCCAGCCGCGGCAGCCGCGAGTGGGAGAGGAACCAGAACCTCA	2350
TCAATGCCTGCACAAAGGACATGCCCCCCATGGGCTCCCCTGTGATTCCC	2400
ACGGACCTGCCCCTGCGGGCCTCCCCCAGCCACATCCCCAGCGTGGTGGT	2450
CCTGCCCATCACGCAGCAGGGCTACCAGCATGAGTACGTGGACCAGCCCA	2500
AAATGAGCGAGGTGGCCCAGATGGCGCTGGAGGACCAGGCCGCCACACTG	2550
GAGTATAAGACCATCAAGGAACATCTCAGCAGCAAGAGTCCCAACCATGG	2600
GGTGAACCTTGTGGAGAACCTGGACAGCCTGCCCCCCAAAGTTCCACAGC	2650
GGGAGGCCTCCCTGGGTCCCCCGGGAGCCTCCCTGTCTCAGACCGGTCTA	2700
AGCAAGCGGCTGGAAATGCACCACTCCTCTTCCTACGGGGTTGACTATAA	2750
GAGGAGCTACCCCACGAACTCGCTCACGAGAAGCCACCAGGCCACCACTC	2800
TCAAAAGAAACAACACTAACTCCTCCAATTCCTCTCACCTCTCCAGAAAC	2850
CAGAGCTTTGGCAGGGGAGACAACCCGCCGCCCGCCCCGCAGAGGGTGGA	2900
CTCCATCCAGGTGCACAGCTCCCAGCCATCTGGCCAGGCCGTGACTGTCT	2950
CGAGGCAGCCCAGCCTCAACGCCTACAACTCACTGACAAGGTCGGGGCTG	3000
AAGCGTACGCCCTCGCTAAAGCCGGACGTACCCCCCAAACCATCCTTTGC	3050
TCCCCTTTCCACATCCATGAAGCCCAATGATGCGTGTACATAA-3`	3093